



ASUS ESC500 G4

Advanced I/O Capability with Power Efficiency



Drive three independent displays simultaneously

Without extra VGA cards installed, the ESC500 G4 gives users the ability to multitask on up to three independent displays simultaneously through HDMI, DisplayPort, DVI-D, VGA ports in a compatible latest-generation Intel® process.

The latest 10Gb/s USB 3.1 on board for high transfer speed ESC500 G4 has both Type-A and Type-C USB 3.1 connectivity built on the back I/O for data-transfer speeds up to 10Gbit/s – or twice as fast USB3.0. And Type-C is the all-new reversible socket for any-way-up convenience.

Speed up your system with M.2, up to 22110

With dual PCI Express 3.0 bandwidth, M.2 supports 8Gbit/s data-transfer speeds and up to 22110 NGFF. It is the perfect choice for customers installing various SSD capacities, even if up to 1 TB capacity.

Performance increasing and data redundancy with Dual M.2 by SATA mode

The WS board in ESC500 G4 has dual M.2 sockets provide the flexibility to enable top-flight performance or data redundancy on SATA mode. In performance-maximizing RAID 0 configurations, ESC500 G4 writes up to 40% faster than a single-drive M.2 setup and an astonishing 84% quicker for read operations. Or, for total reassurance, pair your M.2 devices into a RAID 1 configuration for instant data redundancy.

Quad PCIE3.0 x16 slots for flexible extended add-on cards

ESC500 G4 supports AMD® Quad-GPU CrossFireXTM Technology via dual x16 slots up to x16 link. And quad flexible x16 slots can extend add-on card, such as graphic cards, RAID cards, LAN cards and Profession VGA cards, which is the perfect choice for operating conveniently.

Highlights

- Drive three independent displays simultaneously
- The latest 10Gb/s USB 3.1 on board for high transfer speed
- Speed up your system with M.2, up to 22110
- Performance increasing and data redundancy with Dual M.2 by SATA mode
- Quad PCIE3.0 x16 slots for flexible extended add-on cards

Specification

Processor Support		1 x Socket LGA1151 Intel® Xeon® E3-1200 v5 Processor Family Intel® Core™ i7/i5/i3 processors Intel® Pentium™ processors Intel® Celeron™ processors
Core Logic		Intel® C236 Chipset
Memory	Total Slots	4 (2-channel per CPU, 4 DIMM per CPU)
	Capacity	Maximum up to 64GB (UDIMM)
	Memory Type	4 x DIMM, Max 64GB, DDR4 2133 MHz, ECC/ non-ECC UDIMM (Refer to www.asus.com for detail memory AVL & CPU Support list)
	Memory Size	1 GB, 2GB, 4GB, 8GB, 16GB(UDIMM)
Expansion Slots	Total PCI/PCI-X/PCI-E Slots	4
	Slot Type	PCIEX16_1: PCI-E x16 slot, x16/ x8 Gen3 Link PCIEX16_2: PCI-E x16 slot, x8 Gen3 Link, switched from PCIEX16_1 PCIEX16_3: PCI-E x16 slot, x4 Gen3 Link, from PCH PCIEX16_4: PCI-E x16 slot, x4 Gen3 Link, from PCH
Storage	SATA Controller	Intel® C236 Chipset: 8 x SATA 6Gb/s ports or 6 * SATA 6Gb/s with 2* M.2 (SATA 6Gb/s & PCIe Gen3 x1 link, NGFF 22110/2280/2260/2242) Intel® RSTe (Windows & Linux) (Support software RAID 0, 1, 10 & 5)
HDD Bays, I = internal, A or S will be hot-swappable		3 x Internal 3.5" HDD Bays , 1 x Internal 2.5" HDD/SSD Bays
Networking	LAN	2 x Intel® I210 GbE LAN
Graphic	VGA	Integrated Graphics Processor x 1 Multi-VGA output support: DVI-D/HDMI/DisplayPort/VGA - Supports DVI-D with Max resolution 1920 x 1200@60 Hz - Supports HDMI with Max resolution 4096 x 2160@60/24 Hz - Supports DisplayPort with Max resolution 4096 x 2304@60 Hz - Supports VGA with Max resolution 1920 x 1200@60 Hz - Supports Intel® HD Graphics, InTru™ 3D, Quick Sync Video, Clear Video HD Technology, Insider™ - Maximum shared memory of 512MB
Auxiliary Storage Device Bay (Floppy / Optical Drive)		2 x 5.25" media bays (Options: No ODD/DVD-RW)
Onboard I/O		2 x USB 3.1 ports (1 port at TypeA, 1 port at Type C) 1 x Optical S/PDIF Out, 1 x HDMI 1 x DisplayPort 4 x USB 3.0 ports, 2 x RJ-45 ports 1 x DVI-D, 1 x VGA, TPM 2.0 8-channel Audio I/O ports (6 x Audio jacks)
OS Support		Windows Server 2008 R2 SP1, Windows Server 2012 R2 Windows 8.1, Windows 7 SP1, Windows 10 RedHat® Enterprise Linux SUSE Linux Enterprise Server CentOS, Scientific Linux Ubuntu 14, Fedora
Regulatory Compliance		BSMI, CCC, CE
Dimension		423mm x 190mm x 435mm
Net Weight Kg (CPU, DRAM & HDD not included)		12.653 Kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		14.513 Kg
Power Supply		500W 80PLUS Single Power Supply, Bronze, 100-240V, 10-6A, 50/60Hz, Class I 700W 80PLUS Single Power Supply, Gold, 100-240V, 10-5A, 50/60Hz, Class I
Environment		Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)

